

In the claims:

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1. (Currently Amended) In an emulation engine comprised of a plurality of modules, a work station, and a maintenance bus for transferring data between the work station and said modules, each of said modules including a plurality of module processors and a module main memory unit accessible for data transfers during an emulation by each of said plurality of processors, each of said processors having a control store to store a programmable sequence of emulation steps that define logic states for its processor, a method to allow data transfers between said module main memory unit and said work station without interrupting an in progress emulation, ~~including the steps of~~ comprising:

compiling said programmable sequence of emulation steps to include, in at least one step, a blocking code that is decoded, when the step is read from the control store, as a disable command between the plurality of module processors and said module main memory;

al decoding said blocking code and, in response thereto, blocking transfers between the plurality of module processors and said module main memory; and

transferring data between said work station and said module main memory while transfers between the plurality of module processors and said module main memory are blocked.

2. (Currently Amended) A method to allow data transfers between said module main memory unit and said work station as in claim 1 further ~~including the step of~~ comprising unblocking transfers between the plurality of module processors and said module main memory when the decoding step ~~is decoded that~~ is next in the sequence after said step that includes said blocking code.

3. (original) A method to allow data transfers between said module main memory unit and said work station as in claim 1 wherein said programmable sequence is repeated and said decoding and transferring steps are repeated with each repetition of said programmable sequence.

4. (original) A method to allow data transfers between said module main memory unit and said work station as in claim 2 wherein said programmable sequence is repeated and said decoding and transferring steps are repeated with each repetition of said programmable sequence.

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